1/1 DWPX - (C) Thomson Derwent- image
CPIM Thomson Derwent
AN - 1991-024294 [04]
XA - C1991-010434
XP - N1991-018694
TI - Oxy:titanium phthalocyanine with specified x=ray diffraction pattern - for use in electrophotosensitive members giving good sensitivity at long wavelengths and stable charging characteristics
DC - E23 G08 P84 S06 T04
AW - ELECTROPHOTOGRAPHIC LASER PRINT
PA - (CANO) CANON KK
IN - IUCHI I; MIYASAKI G; TAKAI H; IUCHI K; MIYAZAKI H; YAMAZAKI I
NP - 11
NC - 7
PN - EP-409737 A 19910123 DW1991-04 *
AP: 1990EP-0402094 19900720
DSR: DE FR GB
- JP03128973 A 19910531 DW1991-28
AP: 1990JP-0192671 19900720
- CN1050206 A 19910327 DW1991-48
- US5132197 A 19920721 DW1992-32 G03G-005/06 27p
AP: 1990US-0555038 19900720
- EP-409737 B1 19940302 DW1994-09 C09B-067/50 Eng 36p
AP: 1990EP-0402094 19900720
DSR: DE FR GB
- DE69006961 E 19940407 DW1994-15 C09B-067/50
FD: Based on EP-409737
AP: 1990DE-6006961 19900720; 1990EP-0402094 19900720
- KR9407962 B1 19940831 DW1996-23 G03G-005/06
AP: 1990KR-0011118 19900721
- JP2502404 B2 19960529 DW1996-26 C09B-067/50 18p
FD: Previous Publ. JP3128973
AP: 1990JP-0192671 19900720
- CN1195791 A 19981014 DW1999-09 G03G-015/02
AP: 1997CN-0117103 19970729
- CN1040009 C 19980930 DW2004-57 C09B-067/50
AP: 1990CN-0107249 19900721
- CN1125380 C 20031022 DW2005-54 G03G-015/02
AP: 1997CN-0117103 19970729
PR - 1989JP-0189200 19890721; 1990JP-0192671 19900720
CT - DE3823363; EP-180930; EP-180931; EP--82011; JP59049544; JP62067094; JP64017066
IC - C09B-067/50 G03G-005/06 G03G-015/02 C09B-067/12 H04N-001/29 C07D-487/22 C09B-047/04
AB - EP-409737 A
Oxytitanium phthalocyanine has a crystal structure with main peaks specified by Bragg angles (20+/-2 degs.) of 9.0deg., 14.2 deg., 23.9 deg. and 27.1 deg. in the X-ray diffraction pattern based on Cu K alpha characteristic X-rays.
- The above phthalocyanine is prepd. by treating amorphous oxytitanium phthalocyanine with methanol and then milling with one of the following solvents:- ether, monoterpene hydrocarbons, or liq. paraffin.
- Also claimed is (1) an electro-photosensitive member having an electroconductive support and a photosensitive layer contg. the above phthalocyanine, and (2) an electrophotographic appts., pref. facsimile appts., incorporating the electrophotosensitive member.
- USE/ADVANTAGE - The phthalocyanine has good solvent stability and gives electrophotosensitive members which have high sensitivity at longer wavelengths and so can be used with semiconductor lasers. The electrophotosensitive members also have good photomemory

characteristics, stable electric potentials and give good images over extended runs. (31pp Dwg.No.21/21)

EPAB- EP-409737 B
Oxytitanium phthalocyanine having a crystal form characterised by main peaks specified by Bragg angles (20 +/- 0.2 degree) of 9.0 degrees, 14.2 degrees, 23.9 degrees, and 27.1 degrees in X-ray diffraction pattern based on CuKa alpha characteristic X-rays. ((Dwg.1/21))

USAB- US5132197 A
Oxytitanium phthalocyanine has a crystal form characterised by means peaks specified by Bragg angles (2 theta +/-0.2 deg.) of 9.0 degs., 14.2 degs., 23.9 degs. and 27.1 degs. in the X-ray diffraction pattern based on CuK alpha characteristic X-rays.
- Prodn. of the oxytitanium phthalocyamine comprises treating amorphous oxytitanium phthalocyamine with methanol and milling with a solvent comprising ether, monoterpene hydrocarbons or liq. paraffin.
- USE/ADVANTAGE - Used in an electrophotosensitive member having good stability of electric potential and maintaining good images when used in a durability test. The photosensitive member also has good photomemory characteristic after irradation with visible rays for a long period. The oxytitanium phthalocyamine has good solvent stability. ((Dwg.4,5/2)

MC - CPI: E23-B G06-F06
- EPI: S06-A01A1 T04-G04

UP - 1991-04

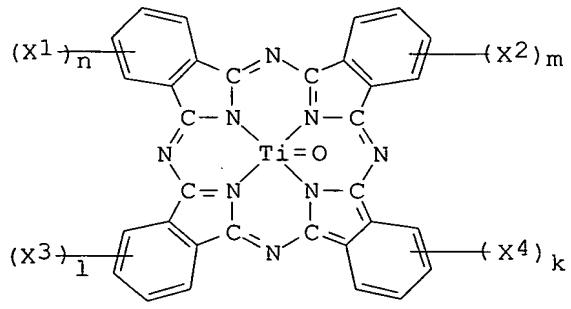
UE - 1991-28; 1991-48; 1992-32; 1994-09; 1994-15; 1996-23; 1996-26; 1999-09; 2004-57; 2005-54

UE4 - 2004-09; 2005-08

L1 ANSWER 1 OF 1 CA COPYRIGHT 2006 ACS on STN
AN 115:243932 CA
TI Oxytitanium phthalocyanine, process for producing same and electrophotosensitive member using same
IN Iuchi, Kazushi; Takai, Hideyuki; Miyazaki, Hajime; Yamazaki, Itaru
PA Canon K. K., Japan
SO Eur. Pat. Appl., 31 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 409737	A1	19910123	EP 1990-402094	19900720
	EP 409737	B1	19940302		
	R: DE, FR, GB				
	JP 03128973	A2	19910531	JP 1990-192671	19900720
	JP 2502404	B2	19960529		
	US 5132197	A	19920721	US 1990-555038	19900720 <--
	CN 1050206	A	19910327	CN 1990-107249	19900721
	CN 1040009	B	19980930		
PRAI	JP 1989-189200	A	19890721		

OS MARPAT 115:243932
GI



I

AB A titanyl phthalocyanine pigment represented by the formula I (X1-4 = Br or Cl; k, l, m, n = an integer of 0-4) and having a crystal form characterized by main peaks specified by Bragg angles (2θ± 0.2°) of 9.0°, 14.2°, 23.9°, and 27.1° in its x-ray diffraction pattern based on CuKα characteristic x-rays is used in preparing an electrophotog. photoreceptor which shows high and stable photosensitivity for long-wavelength regions as well as stable chargeability even after prolonged photoirradn.